

**ABSTRACT OF THE DISCLOSURE**

A two-stage mixing system, apparatus, and method produces a solution including a first substance and a second substance in a  
5 predetermined ratio by first mixing the first substance with a first liquid to produce a first solution and then mixing the first solution with the second substance to produce a second solution. Multiple batches of second solution may be produced from a single batch of first solution. Multiple batches of second solution may be produced in parallel.

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